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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/647,716	08/25/2003	Tai Min	HT02-014	2159	
75	90 06/17/2005		EXAMINER		
STEPHEN B. ACKERMAN			HO, TU TU V		
28 DAVIS AVE POUGHKEEPS	· -		ART UNIT	PAPER NUMBER	
	,		2818		
			DATE MAILED: 06/17/2005	DATE MAILED: 06/17/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

			ger/			
	Application No.	Applicant(s)	1,1			
Office Action Commence	10/647,716	MIN ET AL.				
Office Action Summary	Examiner	Art Unit				
	Tu-Tu Ho	2818				
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet v	vith the correspondence ad	dress			
A SHORTENED STATUTORY PERIOD FOR REF THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a r - If NO period for reply is specified above, the maximum statutory perions - Failure to reply within the set or extended period for reply will, by state that the period for reply will, by state that the material patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a reply within the statutory minimum of the od will apply and will expire SIX (6) MC tute, cause the application to become A	reply be timely filed irty (30) days will be considered timely NTHS from the mailing date of this constant to the constant of	/. ommunication.			
Status						
1) Responsive to communication(s) filed on 25	August 2003.					
	·					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4) ⊠ Claim(s) 1-18 is/are pending in the application 4a) Of the above claim(s) is/are withd 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) 1-18 are subject to restriction and/or	rawn from consideration.					
Application Papers			•			
9)☐ The specification is objected to by the Exam	iner.					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the corr	·					
Priority under 35 U.S.C. § 119	•					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
		•				
Attachment(s)						
1) Notice of References Cited (PTO-892)		Summary (PTO-413)				
Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/Paper No(s)/Mail Date		o(s)/Mail Date Informal Patent Application (PTC 	D-152)			

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DETAILED ACTION

Election/ Restriction

Claims 1- 18 are pending in this application.

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 1-15, drawn to a magnetic tunnel junction (MTJ) cell, classified in class
 257, subclass 421.
 - II. Claims 16-18, drawn to a method of making a MTJ cell, classified in class 438, subclass 48.
- 2. The inventions are distinct, each from the other because of the following reasons: Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case unpatentability of Invention I would not necessarily imply unpatentability of Invention II, since the device of Invention I could be made by processes materially different from those of Invention II. For example, the device of Invention I could be formed by chemical etching.
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their different classification and their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

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4. Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

- 5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a diligently filed petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(h).
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tu-Tu Ho whose telephone number is (571) 272-1778. The examiner can normally be reached on 6:30 am 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DAVID NELMS can be reached on (571) 272-1787. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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TH Tu-Tu Ho

June 07, 2005